

al  
building an intermediate representation of the heterogeneous program containing the component.

SUB E6  
a2  
22. (Once Amended) The computer-readable medium of claim 19, further comprising:  
a destination operand type field containing data representing a type for the destination operand identified by the destination operand field;  
a first source operand type field containing data representing a type for the first source operand identified by the first source operand field; and  
a second source operand type field containing data representing a type for the second source operand identified by the second source operand field.

SUB E6  
a2  
31. (Once Amended) A computerized system comprising:  
a processing unit;  
a system memory coupled to the processing unit through a system bus;  
a computer-readable medium coupled to the processing unit through a system bus; and  
a translation and transformation system executed from the computer-readable medium by the processing unit, wherein translation and transformation system causes the processing unit to translate a platform-specific binary corresponding to a component in a heterogeneous program, into a plurality of intermediate representation instructions.

SUB E6  
a2  
35. (Once Amended) A computer-readable medium having computer-executable instructions stored thereon for performing a method of transforming a heterogeneous program comprising:  
translating a platform-specific binary corresponding to a component in the heterogeneous program, into a plurality of intermediate representation instructions.